1. References / Bibliography

1. Akram, M.R., et al. (2018). Formulation, design and development of matrix diffusion controlled transdermal drug delivery of Glimepiride. Drug Des. Devel. Ther.,12 (1): 349 – 364.
2. Adhyapak, AA. and Desai, B.G. (2016). Formulation and evaluation of liposomal transdermal patch for targeted drug delivery of Tamoxifen citrate for breast cancer. Indian J Health Sci., 9(1): 40 - 48.
3. Ali, M. and Rajab N.A. (2014). Preparation and evaluation of Domperidone transdermal patches. World J. Pharm. Res. 3(7): 50 – 78.
4. Cross S E.., et al. (1998). Topical penetration of commercial salicylate esters and salts using human isolated skin and clinical microdialysis method. Br. J. Clin. Pharmacol. 46(1): 29-35.
5. Csizmazia, E., et al. (2012). [Modelling of percutaneousdrug permeation and investigation of penetration enhancer effect]. ActaPharm Hung, 82(1): 15–22.
6. Dauanjit, S., et al. (2011). Characterization and invitro skin permeation of Meloxicam- loaded liposomes versus transferosomes. J.Drug. Deliv.,1(1)/:1 – 9.
7. Devi, K.and Kumar, P. (2013). Formulation and evaluation of Nisoldpine transdermal patches. Int.J.Uni.Pharm.bio., 2(6): 255 – 264.
8. Domenic A., et al. (2005). Transdermal clonidine: Therapeutic consideration. J. Clin. Hypertens., 7(9): 558 – 562.
9. ELMaghraby, GM., et al. (2006). Can drug rearing liposomes penetrate intact skin? J. Pharma. Pharmacol. 58(1): 415- 429.
10. Ferreira, H., et al. (2015). Deformable liposomes for transdermal delivery Of Piroxicam. JPDDS., 4(4): 1 – 6.
11. Gaikwad,M., et al.(2015). Development and evaluation of carbamazepine loaded transferosomal in situ gel for nose to brain delivery. Indo Am. J. Pharm. Res.,5(5): 2047- 2053.
12. Ghaffarian, R. and Muro, S. (2013). Models and methods to evaluate transport of drug delivery systems across cellular barriers. J Vis Exp., 80(1): 1-32.
13. Gupta A., et al. (2007). Design and development of proniosomaltransdermal drug delivery system for Captopril. Trop. J. Pharm. Res., 6(2): 687-693.

14. Guy,RH., et al. (2000).Iontophoresis: electrorepulsion and electroosmosis. J Control Rel, 64(1): 129-132.
15. Hosny, KM. and Aldawsari, HM. (2015). Avanafil liposomes as transdermal drug delivery for erectile dysfunction treatment: preparation, characterization and invitro, exvivo and invivo studies. Trop J. Pharm. Res., 14(4): 559- 565.
16. Ismail, MF., et al.(2013). Potential therapeutic effect of nanobased formulation of Rivastigmine on rat model of Alzheimers disease. Int. J.Nanomedicine, 8(1): 393 – 406.
17. Kapil,S., et al. (2012). Preparation and evaluation of Lornoxicamniosomal gel. Int. Res. J. Pharma. 3(4): 378 – 383.
18. Kumar, CH., et al. (2017). Formulation and characterization of Itraconazoleethosomal gel for topical application. J. bio.Ino, 6(1): 55 – 64.
19. Kumar, MS. and Balaji, A. (2015). Formulation and evaluation of transferosomal gel of SumatriptanSuccinate .Indo Am. J Pharm. Res., 5(11): 3426 – 3437.
20. Kumar, R., et al. (2012). Formulation and evaluation of elastic liposomes of Clotrimazole. Int. J. Drug Develop. Res., 4(3): 348 – 355.
21. Kurakula, M., et al. (2012). Formulation and evaluation of prednisolone proliposomal gel for effective topical pharmacotherapy. Int. J. Pharm. Sci. Res., 4(1): 35 – 43.
22. Kwatra, S., et al. (2012) Alternatives Routes of Drug Administration-Transdermal, Pulmonary and Parenteral. Indo Glob. J. Pharm. Sci., 2(1): 409-426.
23. Manjula, D., et al. (2014).Topical delivery of Fenoprofenproliposomes: preparation, evaluation and invitro release. Int. J. Pharm. Sci. Invent., 3(8): 6 – 12.
24. Manvir, A., et al. (2012). Elastic liposome mediated transdermal delivery of an antihypertensive agent: Nifedipine. J.Drug.Deliv.Ther., 2(5):55 – 60.
25. Mateti, A., et al. (2016). Formulation and evaluation of proniosome based transdermal gel of Sumatriptan succinate. Int. J. Pharm. Biol. Sci., 6(1): 224 – 235.
26. McCormack, B. and Gregordias, G. (1998). Drugs-in-cyclodextrins-in-liposomes: An approach to controlling the fate of water insoluble drugs *invivo*.

Int J Pharm.,162(1): 59-69.

27. Mehra, K. and Geevarghese, R. (2015). Formulation and characterization of Nanotransferosomes of Famotidine in transdermal patches. Int. J. Pharma. Sci Nano., 8(2): 2814 – 2821.
28. Meenakshi, C. and Anshu, G. (2016).Aggarndized transdermal delivery of Glimepiride via transferosomes: formulation, evaluation and stasticaloptimisation. J.DrugDeliv.Ther., 6(4):48 – 54.
29. Moghimipour, E., et al. (2013). Formulation and invitro evaluation of topical liposomal gel of triamcinolone Acetonide. Res. J. Pharm., Biol. Chem. Sci., 4 (1): 101 – 107.
30. Nguyen, H., et al. (2003).The in vivo transport of elastic vesicles into human skin: effects of occlusion, volume and duration of application. J. Control. Release, 90 (2): 243–255.
31. Pandey, P. and Pancholi S.S., (2016). Nanocarrier based transdermal formulation of NSAID: optimization of drug loading and analysis of permeation characterstics. J.Innov. Pharm. Biol. Sci., 3(3): 1 – 12.
32. Parnami, N., et al. (2013). Development and characterization of nanocarriers for topical treatment of psoriasis by using combination therapy. Artif Cells Nano. Med. Biotechnol.42(6): 406- 412.
33. Patel, R.P. and Baria, A.H. (2011). Formulation and evaluation considerationsof transdermal drug delivery system. Int. J. Pharm. Res., 3(1):1–9.
34. Paul,D. and Babu,VS. (2016). Formulation and evaluation of liposomal gel containing antifungal activity- Ketoconazole. Indo Am. J. Pharm. Res., 6(7): 6154 – 6169.
35. Pillai, S., et al. (2011). Effect of polymeric activity on transdermal patches of Glipizide. Res. In Pharma., 1(2): 1 – 5.
36. Reddy, Y.K., et al. (2014). Transdermal Drug Delivery System, A Review. Ind. J. Res. Pharma. Biotech., 2 (2): 1094-1103.
37. Rajurkar,V.G., et al.(2015). The development, evaluation and invitro release study of terbinafine transdermal patch. Industrial Chem. 1(2): 1 – 6.
38. Sarwa, K.K., et al. (2015). Potential of capsaicin loaded transferosomes in arthritic rats. Drug Delivery. 22(5): 638-646.

39. Shaik, MD., et al. (2015).Preparation and evaluation of Aceclofenac sodium proniosome transdermal patches. Int. J. Recent Sci. Res.,6(11): 7418- 7423..
40. Shaji,J. and Lal, M.(2014). Preparation, optimization and evaluation of transferosomal formulation for enhanced transdermal delivery of a COX-2 inhibitor. Int. J. Pharm. Pharma.Sci.6(1): 467 – 477.
41. Sharma, N., et al. (2011). A review: transdermal drug delivery system: a tool for novel drug delivery system. Int. J. Drug Dev. Res. 3(1):70–84.
42. Sharma, S., et al. (2011). Preparation, characterization, *invitro*and *invivo* evaluation of elastic liposomal formulation of Lovastatin. J. Pharma. Res., 4(11): 4074 – 4078.
43. Sudhakar, C.K., et al. (2016). A comparison study of liposomes, transferosomes and ethosomes bearing Lamivudine. Int.J. Pharm. Sci. Res., 7(10): 4214 – 4221.
44. Szura, D., et al.(2014). The impact of liposomes on transdermal permeation of Naproxen. ActaPoloniaePharmaceutica – Drug Research, 71(1): 145 – 151.
45. Taghizadeh, S. and Bajgholi, S. (2011). A new liposomal drug in adhesive patch for transdermal delivery of Sodium Diclofenac. J. Biomater. Nanobiotechnol.2(1): 576 – 581.
46. Umalkar, D.G. and Rajesh, K.S. (2013). Formulation and evaluation of liposomal gel for treatment of psoriasis. Int. J. Pharm. Bio. Sci., 4(4): 22 – 32.
47. Vennapoosa, S. andSandeep, D. (2013). Formulation and evaluation of a matrix type transdermal patch containing RivastigmineTartarate. International J Pharma.Sci. Res., 4(2):10 – 16.
48. Wahid A., et al. (2008). Preparation and evaluation of transdermal drug delivery system of Etoricoxib using modified Chitosan. Ind. J. Pharm. Sci., 1(1): 455 – 460.
49. Wasankar, S.R., et al. (2012). Formulation and development of liposomal gel for topical drug delivery system. Int. J. Pharm. Sci. Res., 3(11): 4461 -4474.
50. Yusuf, M., et al. (2014). Nanovesicles for transdermal delivery of felodipine: development, characterization and pharmacokinetics. Int. J. Pharm. Investig., 4(3): 119 – 130.